BRUHAT BANGALORE MAHANAGARA PALIKE

Name of the Work : Improvements to roads,drains and other development works at Yelahanka old town, Maruthinagara, sapthagiri layout Gandhinagara KHB Colony, Nehru nagara, Shivanahalli, PDMS APTS Premies and Surrounding areas in Ward No 01 of Yelahanka Division under Amruth Nagarothana Grants(PACKAGE NO 01)

WORKSLIP RATE ANALYSIS -2

Estimate Amount:-	**Rs 1000.00 LAKHS**
Name of Contractor:-	**M/s SATHYA CONSTRUCTIONS, Prop. Rajeshwara Satheesh, No: 600, Down Bazar Road, Yelahanka, Bangalore-560064**
Approved amount:-	**88578262.60**
Tender premium:-	**1.23% Above**

Sl No	Description.	Unit	Page	Item	Basic rate	Lift charges	Form work	Total	AW @ 10%	Total Rate	Add T.P (+)1.23%	Final Rate.
4	Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately) M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates	Cum	Pg No.17 of KPWD S.R 2021-22 Vol-1 Issue rate date 04-01-2022	2.5.2	6186.00	0	618.6	6804.60	680.46	7485.06	92.07	7577.13
8	Providing Size Stone masonry with hard stone in foundation & plinth with Cement mortar 1:6 (1 cement : 6 coarse sand) and as per the directions of the Engineer-in-charge of the work	Cum	Pg No.9 of KPWD S.R 2021-22 Vol-2 Issue rate date 04-01-2022	5.40	5352.00	0	0	5352.00	535.2	5887.20	72.41	5959.61

Sl No	Description.	Unit	Page	Item	Basic rate	Lift charges	Form work	Total	AW @ 10%	Total Rate	Add T.P (+)1.23%	Final Rate.
10	Ruled/ Flush pointing on White sand stone masonry surface with lime, surkhi and marble dust mortar in the ratio of 1:1.5:1/2 {One lime : 1.5 surkhi (15% dark red and 85% light yellow surkhi) : 1/2 marble dust}. (The rate is inclusive of all aterials & labours involved except scaffolding). and as per the directions of the Engineer-in-charge of the work	Sqm	Pg No.190 of KPWD S.R 2021-22 Vol-2	21.60	193.00	0	0	193.00	19.3	212.30	2.61	214.91
15	Providing and applying white cement based putty of average thickness 1 mm, of approve brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete as per specifications and as per directions of Engineer in charge.	Sqm	Pg No.50 of KPWD S.R 2021-22 Vol-2	8.51	83.00	0	0	83.00	8.3	91.30	1.12	92.42
16	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade :New work (two coats) over and including water thinnable priming coat with cement primer after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.	Sqm	Pg No.45 of KPWD S.R 2021-22 Vol-2	8.25	105.00	0	0	105.00	10.5	115.50	1.42	116.92
17	Finishing walls with Acrylic Smooth exterior paint of required shade :New work (Two coat applied @ 1.67 ltr/10 m² over and including priming coat of exterior primer applied @ 2.20 kg/10 m²) with paint of approved quality to give an even shade, after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.	Sqm	Pg No.46 of KPWD S.R 2021-22 Vol-2	8.30	136.00	0	0	136.00	13.6	149.60	1.84	151.44

Sl No	Description.	Unit	Page	Item	Basic rate	Lift charges	Form work	Total	AW @ 10%	Total Rate	Add T.P (+)1.23%	Final Rate.
23	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ m2 including grouting the joints with white cement and matching pigments etc., complete Size of Tile 600x600 mm	Sqm	Pg No.60 of KPWD S.R 2021-22 Vol-2	9.12.2	1087.00	0	0	1087.00	108.7	1195.70	14.71	1210.41
54	Earth work in surface excavation by mechanical means for lowering & leveling the ground for all works other than foundation in all kinds of soils & upto depth not exceeding 300mm as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenances required to complete the work.In all kinds of soils upto 300 mm depth and as per the directions of the Engineer-in-charge of the work.	Cum	Pg No.8 of KPWD S.R 2021-22 Vol-1	1.12	65.00	0	0	65.00	6.5	71.50	0.88	72.38

Sl No	Description.	Unit	Page	Item	Basic rate	Lift charges	Form work	Total	AW @ 10%	Total Rate	Add T.P (+)1.23%	Final Rate.
57	Providing and constructing un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base, with 43 grade cement or any other type as per Clause 1501.2.2 M30 (Grade), coarse and fine aggregates conforming to IS:383, maximum size of coarse aggregate not exceeding 25 mm, mixed in a concrete mixer of not less than 0.2 cum capacity and appropriate weigh batcher using approved mix design, laid in approved fixed side formwork (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the formwork as per drawing), spreading the concrete with shovels, rakes, compacted using needle, screed and plate vibrators and finished in continuous operation including construction joints, , primer, sealant , curing of concrete slabs for 14- days, and water finishing to lines and grade as per drawing and technical specification clause 1501 with all lead, lifts, loading & unloading charges, cost and conveyance of all materials, labour, equipments etc., complete. and as per the directions of the Engineer-in-charge of the work	Cum	Pg No.138 of KPWD S.R 2021-22 Vol-3 Approved rate date 04-01-2023	20.29	6512.00	0		6512.00	651.2	7163.20	88.11	7251.31

Sl No	Description.	Unit	Page	Item	Basic rate	Lift charges	Form work	Total	AW @ 10%	Total Rate	Add T.P (+)1.23%	Final Rate.
65	Supplying and Fixing of Molded Shank Raised Pavement Markers / Cat's Eye made of polycarbonate and ABS moulded body and reflective panels with micro prismatic lens capable of providing total internal reflection of the light entering the lens face and shall support a load of 16000 kg tested in accordance to ASTM D 4280 Type H and complying to Specifications ofCategory A of MORTH Circular No RW/NH/33023/10-97 DO III Dt 11.06. 1997. The height, width and length shall not exceed 50 mm, 100 mm and 102 +/- 2 mm and with minimumreflective area of 13 cm2 on each side and the slope to the base shall be 35 +/- 5 degree. The strength of detachment of the integrated cylindrical shanks, (of diameter not less than 19 +/- 2 mm and height not less than 30+/- 2 mm) from the body is to be a minimum value of 500 Kg. Fixing will be by drilling holes on the road for the shanks to go inside, without nails and using epoxy resin based adhesive as per manufacturer's recommendation and complete as directedby the engineer.The contractor shall submit a two year warranty for satisfactory field performance including stipulated retro-reflectance of the reflecting panel, to the Engineer.	Nos	Pg No.150 of KPWD S.R 2021-22 Vol-3 1st Corrigenda dt:21-04-2022	21-C-1	365.00	0	0	365.00	36.5	401.50	4.94	406.44

Asst Engineer

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